In the Claims

1. (Currently Amended) A resource management method for managing resources in a label switching network, comprising:

retaining session data ~~about~~ including bandwidth ensured by reserved sessions which have respectively completed a reservation of a requested bandwidth and bandwidth occupied by an on-communication session; and

executing periodical re-allocation of each path employed by each of the reserved sessions with respect to the bandwidth ensured by the reserved sessions based on the retained session data.

2. (Previously Presented) The resource management method in a label switching network according to claim 1, further comprising:

recording a failure count, for a fixed period, of a link causing a failure in a reservation request in a previous period; and

fluctuating a weight of the link that tends to cause the failure based on a history of the failure count.

3. (Previously Presented) The resource management method in a label switching network according to claim 1, further comprising fluctuating a re-allocating period of the path in accordance with the reservation request failure count.

4. (Currently Amended) A reservation path optimization system for optimizing a reservation path between specified nodes configuring a network, comprising:

a reservation setting module for setting reservation paths and bandwidth for establishing sessions between specified nodes; and

a reservation path re-allocating module for periodically re-allocating each of the reservation paths ~~for establishing each of reserved sessions~~ which has been already set by said reservation setting module based on the bandwidth ~~for establishing the reserved sessions~~ which have been already set by said reservation setting module except bandwidth occupied by an on-communication session.

5. (Currently Amended) A reservation path optimization system for optimizing a reservation path between specified nodes configuring a label switching network, comprising:

a reservation setting module for setting reservation paths and bandwidth for establishing sessions between specified nodes; and

a reservation path re-allocating module for periodically re-allocating each of the reservation paths ~~for establishing each of reserved sessions~~ which has already been set by the reservation setting module based on the bandwidth ~~for establishing the reserved session~~ which have been already set by said reservation setting module except bandwidth occupied by an on-communication session.

6. (Cancelled)

7. (Previously Presented) The reservation path optimization system according to claim 5, the reservation path re-allocating module periodically re-allocates each of the reservation paths based on a specified algorithm

8. (Previously Presented) The reservation path optimization system according to claim 4, further comprising a module for fluctuating the period.

9. (Currently Amended) The ~~A~~ reservation path optimization system according to claim [[4]] 9, wherein the label switching network is an MPLS network, and the reservation paths are Label Switched Paths.

10. (Currently Amended) A reservation path optimization method for optimizing a reservation path between specified nodes configuring a network, comprising:

a reservation setting step of setting reservation paths and bandwidth for establishing sessions between specified nodes; and

a re-allocating step of periodically re-allocating each of the reservation paths ~~for establishing the reserved sessions~~ which has been already set by the reservation setting step based on the bandwidth ~~for establishing the reserved sessions~~ which have been already set by the reservation setting step except bandwidth occupied by an on communication session.